

# Pierre-Louis Pery

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## Education

### CESI Engineering School

ENGINEERING IN COMPUTER SCIENCE

Lille, France

Sep 2019 – Jun 2024

## Experience

### Blockrise Capital B. V.

Rotterdam, Netherlands

SOFTWARE ENGINEER INTERN

Jan 2022 – Apr 2022

- Researched and developed a Monitoring Architecture for Google Kubernetes Engine to support the development of our service fleet.
- Managed and audited micro-services through previously built tools.
- Benchmarked and load-tested existing services and architecture to handle great throughput.
- Ensured security and stability of our services by studying carefully our data, and exposing it to all developers to promote good performance related practices.

### Montpellier University Space Center

Montpellier, France

SOFTWARE ENGINEER INTERN

Apr 2021 – July 2021

- Developed a reliable stock management system suited for the needs of the space center.
- Enhanced security, speed and usability of the system by leveraging a full stack website with Caddyserver, Docker, Golang and Svelte.
- Created effective CI/CD pipelines within Gitlab to promote fast feedback loop and promote further use and modification of the code-base.
- Effectively used and developed codegen tools and descriptive open-API schemas to scale in the future, and enable further uses of the API.

## Open Source Contributions

### goapi-gen

Golang, Open-API

A CODE GENERATOR USED TO GENERATE BOILERPLATE, ROUTING AND TYPES USED DEFINED IN AN OPEN-API SPECIFICATION. USED IN PRODUCTION AT MULTIPLE COMPANIES, GOAPI-GEN MAKES YOUR LIFE SIMPLER BY GENERATING HIGH QUALITY CODE SO YOU DON'T HAVE WRITE IT YOURSELF.

<https://github.com/discord-gophers/goapi-gen>

### waifubot

Go, Docker, PostgreSQL, Typescript, Kubernetes

COMPLETE GACHA GAME TO COLLECT AND TRADE MANGA CHARACTERS. FRONT-END AND API AVAILABLE FOR ADVANCED USE, TO PROMOTE TRADES BETWEEN PLAYERS. AVAILABLE ON OVER 300 DISCORD GUILDS, WITH THOUSANDS OF PLAYERS.

<https://github.com/Karitham/WaifuBot>

### genial

Go

A CODE-GENERATION HELPER FOR GOLANG. BUILD AN AST, GENIAL WRITES THE CODE. GENIAL GENERATES IDIOMATIC GO CODE, AND IS A LIFE SAVER IN SITUATIONS WHEN YOU PLAN TO WRITE A LOT OF SIMILAR CODE.

<https://github.com/Karitham/go-genial>

### zp

Zig

A BLAZING FAST SHELL, CROSS PLATFORM SHELL PROMPT WRITTEN IN PURE ZIG. IT'S BUILT FOR EXTENSIBILITY AND SPEED IN MIND, AND WILL BE AN AMAZING ADDITION TO YOUR 10X DEV TOOLBOX.

<https://github.com/Karitham/zp>

### corde

Go

A HIGH LEVEL DISCORD REVERSE-WEBHOOK WRAPPER, TO ENABLE FAST MICRO-SERVICE ORIENTED DEVELOPMENTS OF DISCORD BOTS. CURRENTLY RUNNING IN PRODUCTION AND KEEPING UP WITH AMAZING LOADS DUE TO ITS SCALING ABILITIES.

<https://github.com/Karitham/corde>

## Technical Skills

**Languages:** Go, JS/TS/HTML/CSS, SQL, Rust, C#, PHP, C/C++, Zig

**DevOps:** Kubernetes, Docker, Testing, CI/CD Pipelines, Monitoring (Grafana, Loki, Prometheus...)

